

## **NOTES FROM 01.26.05 PROTON DRIVER MEETING - CIVIL**

Attendees: Bill Foster, Chuck Federowicz, Rich Stanek, Duane Plant, Ed Crumpley, Rod Walton, Elaine McCluskey

Items discussed:

1. Ramp for installation
  - a. Chuck showed conceptual drawing of one lane, back-in only ramp with sideslopes cut back (no retaining walls) that comes into enclosure level of Upstream Building. Length about 500 ft.
  - b. Bill stated that major beamline components that would require either lifting through a hatch or down a ramp are 60 cryomodules (at 40 ft long x 1 m wide), 50 quadrapole magnets, and 36 dipole magnets. Duane thought that reasonable installation rate for magnets would be 2 to 4 per day, based on Main Injector experience.
  - c. Risk of ramp seen mostly as flooding. Mitigations would be sump pumps, drainage measures along length of ramp.
  - d. Benefits: Duane believes this would shorten installation time, since there's no bottleneck associated with a crane. Others thought that if crane time was carefully scheduled, this could be mitigated.
  - e. After much discussion, conclusion was to keep drop hatch at Upstream Building, since arrangements required at mid-point of beamline to avoid radiation shielding concerns requires significant additional construction.
2. Elevators: decision to include 2 elevators, one at Upstream Building and one at Pump Service Building area, same size as that at MI-31.
3. Environmental schedule:
  - a. Elaine showed preliminary schedule compiled to show critical decisions and civil construction document preparation in conjunction with NEPA documentation creation and submittal. Durations, per Rod Walton, are average for Fermilab projects.
  - b. EA will have to look at a stand-alone project. Comparable situations previously at Fermilab would be MiniBooNE, where the upgraded BooNE project was not included in the MiniBooNE EA.
  - c. Discussed whether EA would include decommissioning of Linac and Booster. It appears this depends on whether this is considered part of the project. After meeting, Elaine discussed this with Randy Ortgiesen of FESS/IMG. He said project rules indicate that decommissioning is not required unless the project is going to either demolish the facilities to be able to use the square footage to meet space banking requirements on the project, or if the project was reusing the facility. Since it doesn't appear Proton Driver would do either of those things, conclusion is that the decommissioning would not be part of the EA.
4. Continuation of Neutron Therapy in present location: Bill said this has not been determined.

### **ITEMS FOR NEXT WEEK:**

Floodplain map review – Chuck/Rod.

Report by Elaine on existing fixed target enclosure possibilities for reuse.

**NEXT MEETING WILL BE 2/2/05 IN conFESSional AT 9:30 A.M.**